Contents of Volume 17

No. 1, January 1993

Reliability of calcein acetoxy methyl ester and ethidium homodimer or propidium iodide for viability assessment of microbes
E.S. Kaneshiro, M.A. Wyder, Y.-P. Wu and M.T. Cushion (USA) 1

A rapid technique for the isolation of DNA from clinical isolates of *Candida albicans*
L.T. Mathaba, K.M. Franklyn and J.R. Warmington (Australia) 17

A comparison of different methods to determine the hydrophobicity of acetogenic bacteria
B. Donlon and E. Colleran (Ireland) 27

Signature GLC-MS ions in identification of Δ^5- and Δ^9-unsaturated *iso*- and *anteiso*-branched fatty acids
M. Suutari and S. Laakso (Finland) 39

Ergosterol determination in activated sludge and its application as a biochemical marker for monitoring fungal biomass
R.M. Gardner, G.W. Tindall, S.M. Cline and K.L. Brown (USA) 49

Salt-enhanced enzyme-linked lectinosorbent assay
J.S. Singh and R.J. Doyle (USA) 61

High-performance liquid chromatography of α-keto acid production as a taxonomic tool for black-pigmented oral anaerobic rods
H. Tsuchiya, M. Sato, S. Fujiwara, U. Itoh, K. Yamada and T. Fujii(Japan) 67

Use of the elzone particle counter to monitor morphological changes in bacteria associated with endospore germination and direct viable counting
D.L. White and R.W. Attwell (UK) 77

No. 2, March 1993

Detection of trace ethanol production from furfural by *Desulfovibrio furfuralis* using ^{1}H-NMR
S.M. Schoberth, W.A. Bubb, B.E. Chapman and P.W. Kuchel (FRG, Australia) 85

Gas chromatography-mass spectrometry methods for analysis of 2- and 3-hydroxylated fatty acids: Application for endotoxin measurement
Z. Mielniczuk, E. Mielniczuk and L. Larsson (Sweden) 91

Simultaneous amplification and sequencing of genomic DNA (SAS): sequencing of 16S rRNA genes using total genomic DNA from *Butyrivibrio fibrisolvens*, and detection and genotyping of nonculturable mycoplasma-like organisms directly from total DNA isolated from infected plants
S.-J. Deng, R.J. Forster, C. Hiruki and R.M. Teather (Canada) 103

The use of 5-cyano-2,3-ditolyl tetrazolium chloride and flow cytometry for the visualisation of respiratory activity in individual cells of *Micrococcus luteus*
A.S. Kaprelyants and D.B. Kell (UK) 115

'Spiromet': a rapid and inexpensive *Spiroplasma* isolation technique
O. Grulet, I. Humphery-Smith, C. Sunyach, F. Le Goff and C. Chastel (France) 123

A modified FMOC-method for the detection of amino acid-type osmolytes and tetrahydropyrimidines (ectoines)
H.J. Kunte, E.A. Galinski and H.G. Trüper (Germany) 129

Statistical evaluation of an improved quantitative immunofluorescence method of measuring serum antibody levels directed against intestinal bacteria
G.J. Jansen, M.H.F. Wilkinson, B. Deddens and D. van der Waaij (The Netherlands) 137

A simple, colorimetric microtiter assay for borreliacidal activity of antisera
J. Ma and R.T. Coughlin (USA) 145

A sensitive assay for determination of $^{14}N/^{15}N$ isotope distribution in NO_3^-
N. Risgaard-Petersen, S. Rysgaard and N.P. Revsbech (Denmark) 155
Corrigendum 165

No. 3, April 1993

A direct viable count method for the enumeration of attached bacteria and assessment of biofilm disinfection
F.P. Yu, B.H. Pyle and G.A. McFeters (USA) 167
Identification of enterotoxigenic *Escherichia coli* isolates: a comparison of PCR, DNA hybridization, ELISAs and bioassays
I. Blomén, S. Löfdahl, T.A. Stenström and R. Norberg (Sweden) 181
Digital stereology to quantify the filling rate of bacterial aggregates of *Pseudomonas aeruginosa*
S. Girod de Bentzmann, O. Bajolet Laudinat, C. Plotkowski and N. Bonnet (France, Brazil) 193
Monitoring microbial adhesion and biofilm formation by attenuated total reflection/Fourier transform infrared spectroscopy
D.E. Nivens, J.Q. Chambers, T.R. Anderson, A. Tunlid, J. Smit and D.C. White (USA, Sweden, Canada) 199
Extraction of lipoteichoic acid from *Streptococcus mutans* with the non-ionic detergent Triton X-114
I.C. Sutcliffe and S.D. Hogg (UK) 215
Comparative evaluation of a latex agglutination test for the detection and presumptive serogroup identification of *Salmonella* spp.
W. Hansen and J. Freney (Belgium, France) 227
Nylon-made 180 ml grinding vessel for laboratory-scale cell disruption (*Short Communications*)
A. Morin, R. Géra and D. Leblanc (Canada) 233
A computer program to calculate superoxide dismutase activity in crude extracts
R. Vázquez-Juárez, F. Vargas-Albores and J.L. Ochoa (México, Sweden) 239

No. 4, June 1993

Obituary 245
Improved lysis of wine lactobacilli for high yield isolation and characterization of chromosomal DNA
J.B. Velázquez, J. Cansado, C. Sieiro, P. Calo, E. Longo and T.G. Villa (Spain) 247
The PhP RS system. A simple microplate method for studying coliform bacterial populations
I. Kühn and R. Möllby (Sweden) 255
Media for the detection of sulphide-producing bacteria in industrial water systems
E.E. de Bruyn and T.E. Cloete (South Africa) 261
Direct extraction of proteins from environmental samples
O.A. Ogunseitan (USA) 273
Routine detection of inducible β-lactamase in gram-negative bacilli by means of disk susceptibility testing
D. Nadal and A. von Graevenitz (Switzerland) 283
Use of a serum substitute for the cultivation of certain Mollicutes
D. Roulland-Dussoix, A. Henry and B. Lemercier (France) 293
Detection of oocysts of *Cryptosporidium* by enhanced chemiluminescence
A.T. Campbell, L.J. Robertson and H.V. Smith (UK) 297
Nucleic acid hybridization on nitrocellulose filters of vacuum spotted *Escherichia coli* bacterial cells
I. Ivanov, B. Dragulev and M.G. AbouHaidar (Canada) 305
A rapid broth dilution method for recognizing methicillin-resistant *Staphylococci*
M. Murray and W.J. Murro (USA) 311
Author Index of Volume 17 319
Subject Index of Volume 17 323
Contents of Volume 17 325